

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051421.D
 Acq On : 23 Sep 2018 18:28
 Operator : MD\SY
 Sample : J5023-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-PIT-1

Quant Time: Sep 24 06:48:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	652165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1016535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317321	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	443554	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
35) Dibromofluoromethane	7.59	113	385444	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	10.09	98	1412585	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
62) 4-Bromofluorobenzene	12.40	95	380149	38.39	ug/l	0.00
Spiked Amount			Recovery	=	76.78%	

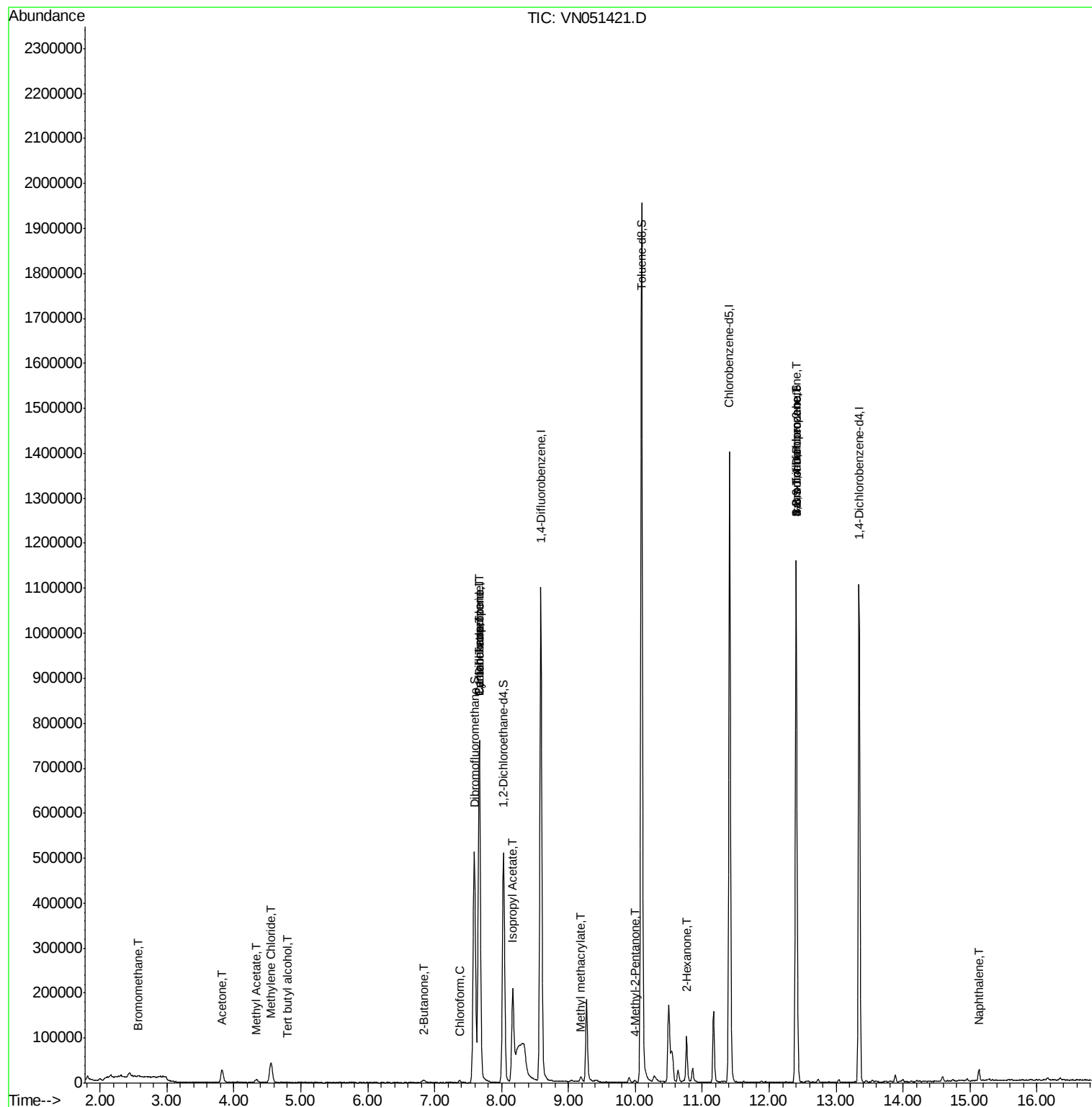
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1628	0.313	ug/l #	60
11) Tert butyl alcohol	4.79	59	182	0.395	ug/l #	78
16) Acetone	3.82	43	50688	4.274	ug/l	98
18) Methyl Acetate	4.33	43	14066	2.261	ug/l #	73
20) Methylene Chloride	4.55	84	33466	4.140	ug/l	93
25) 2-Butanone	6.85	43	3255	1.164	ug/l	98
30) Chloroform	7.37	83	4129	0.297	ug/l	86
31) Cyclohexane	7.66	56	12270	0.954	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46075	3.914	ug/l #	47
38) Carbon Tetrachloride	7.67	117	58717	4.769	ug/l #	17
43) Isopropyl Acetate	8.17	43	262106	21.416	ug/l	95
48) Methyl methacrylate	9.18	41	6583	1.079	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2423	0.360	ug/l	94
59) 2-Hexanone	10.76	43	14500	3.323	ug/l #	57
71) Bromoform	12.39	173	1594	0.283	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	189361	35.947	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189361	110.536	ug/l #	12
95) Naphthalene	15.13	128	21587	9.580	ug/l	96

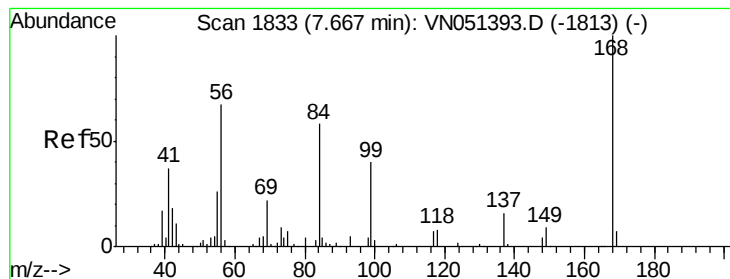
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

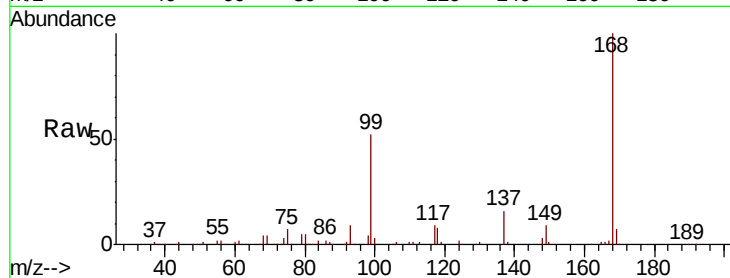
NB-PIT-1

Tgt Ion:168 Resp: 652165

Ion Ratio Lower Upper

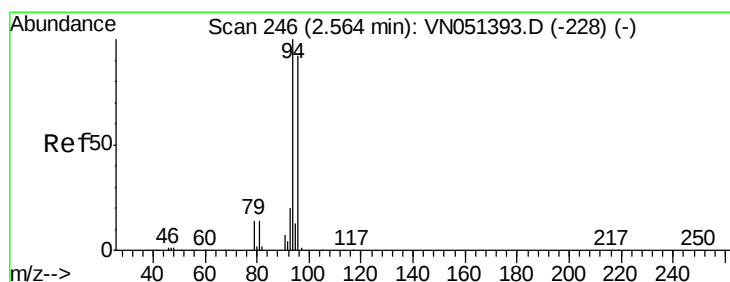
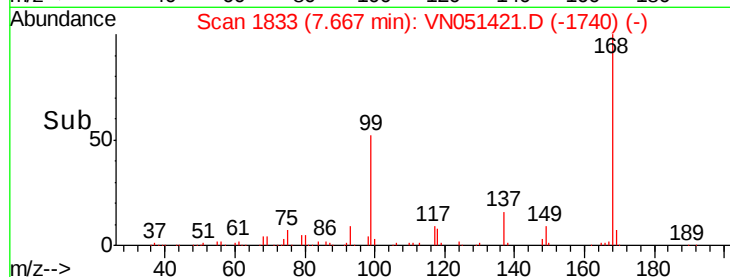
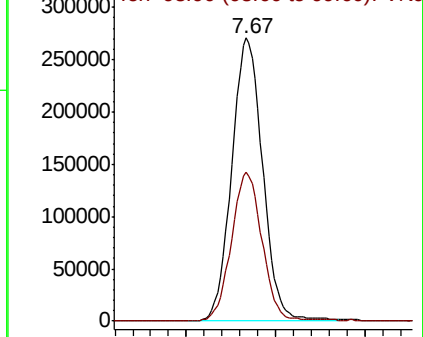
168 100

99 52.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: 0.313 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051421.D

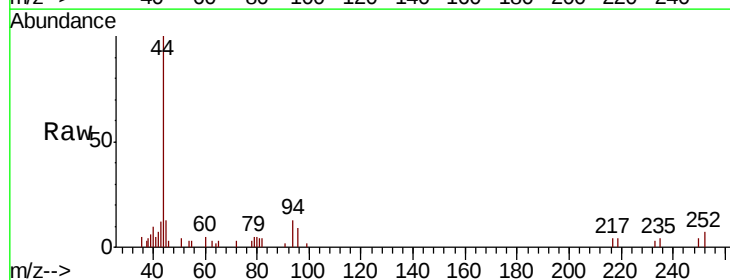
Acq: 23 Sep 2018 18:28

Tgt Ion: 94 Resp: 1628

Ion Ratio Lower Upper

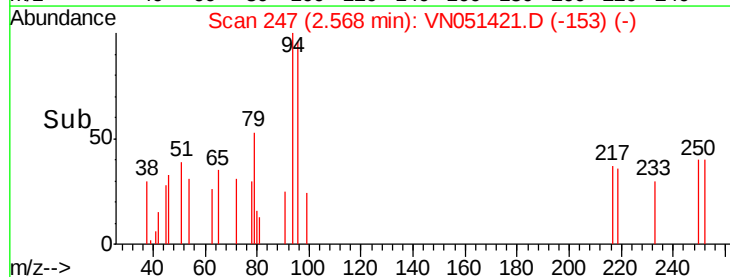
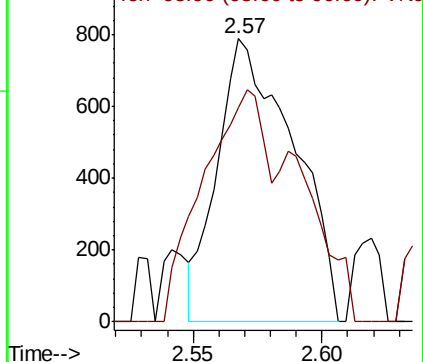
94 100

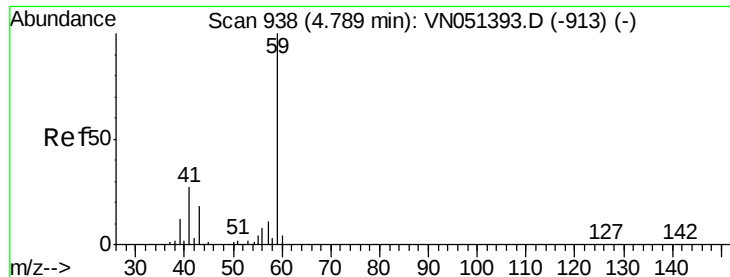
96 53.9 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

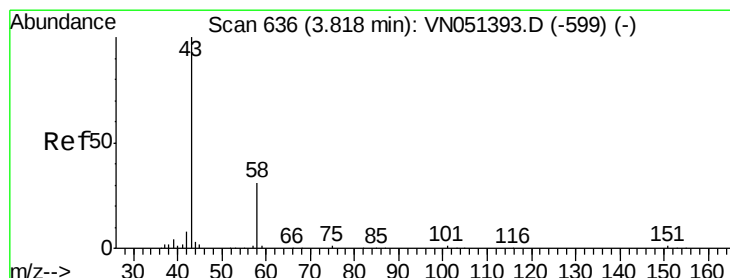
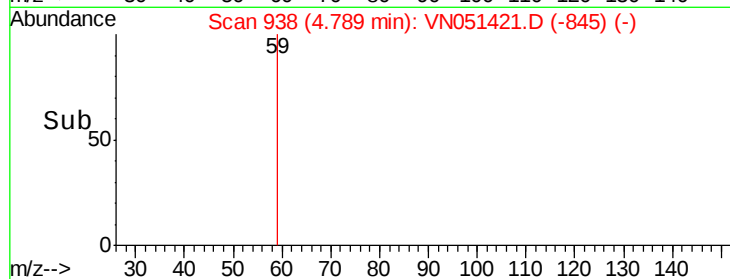
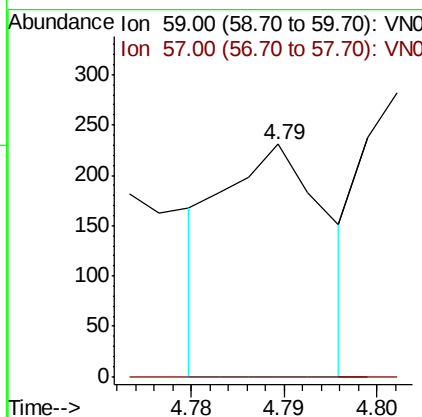
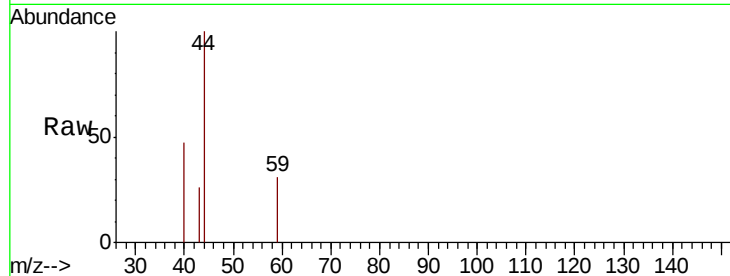




#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

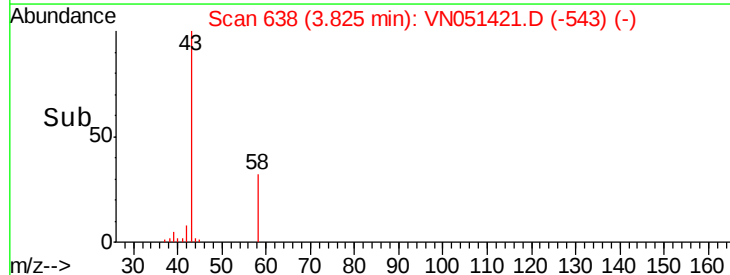
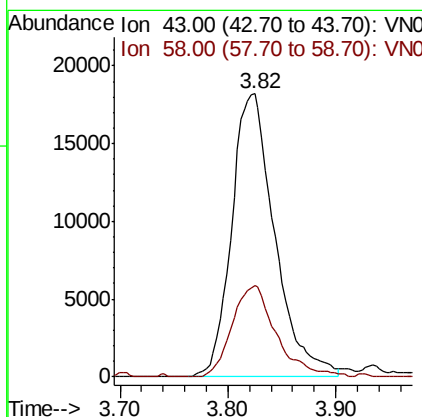
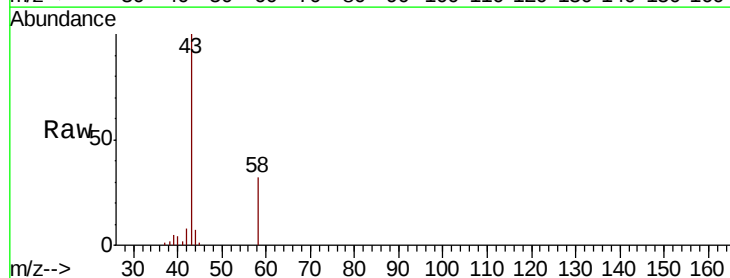
Instrument :
MSVOA_N
ClientSampled :
NB-PIT-1

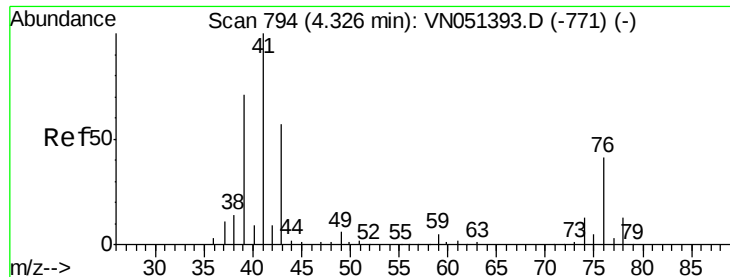
Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#



#16
Acetone
Concen: 4.274 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion: 43 Resp: 50688
Ion Ratio Lower Upper
43 100
58 32.2 25.0 37.4

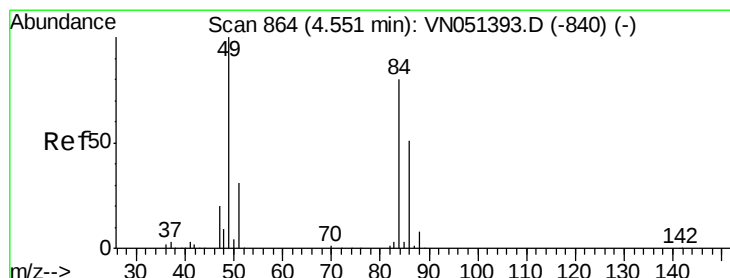
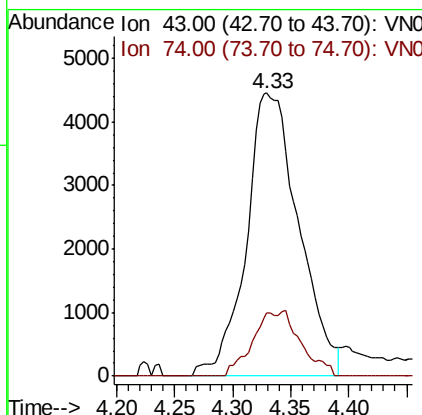
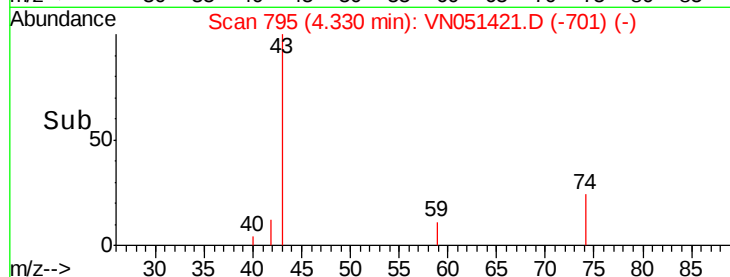
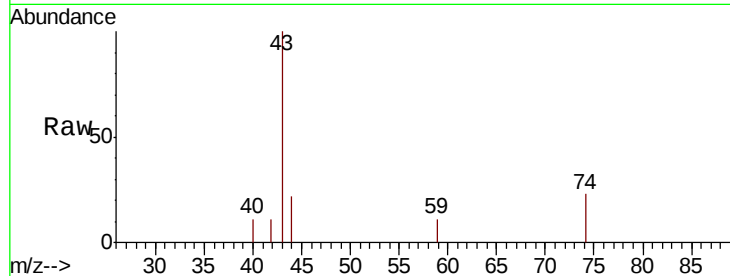




#18
Methyl Acetate
Concen: 2.261 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

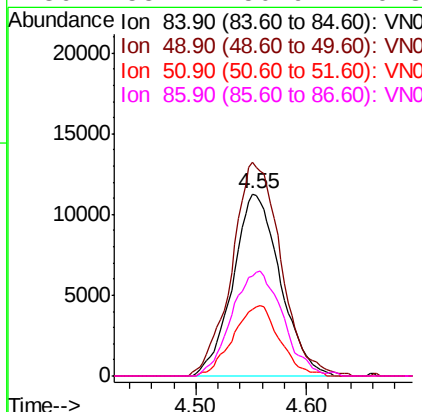
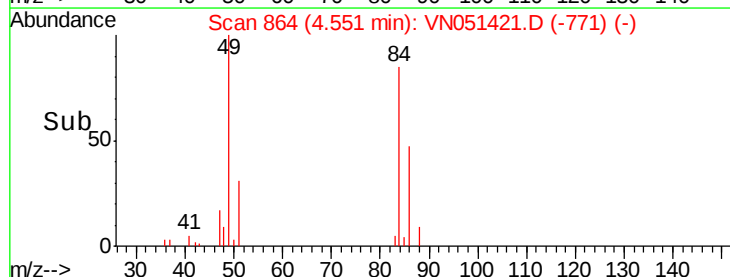
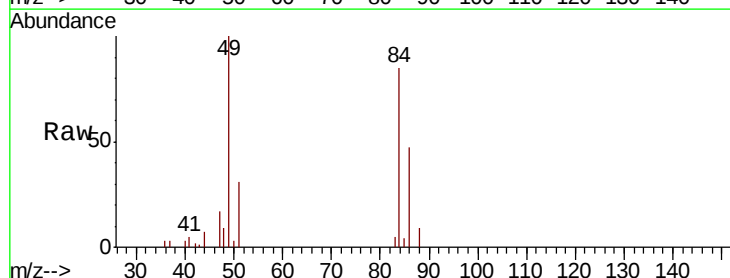
Instrument :
MSVOA_N
ClientSampleId :
NB-PIT-1

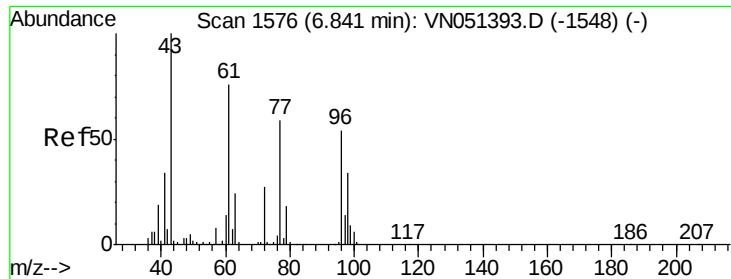
Tgt Ion: 43 Resp: 14066
Ion Ratio Lower Upper
43 100
74 10.2 18.8 28.2#



#20
Methylene Chloride
Concen: 4.140 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion: 84 Resp: 33466
Ion Ratio Lower Upper
84 100
49 117.5 99.9 149.9
51 36.4 31.4 47.2
86 55.2 50.9 76.3

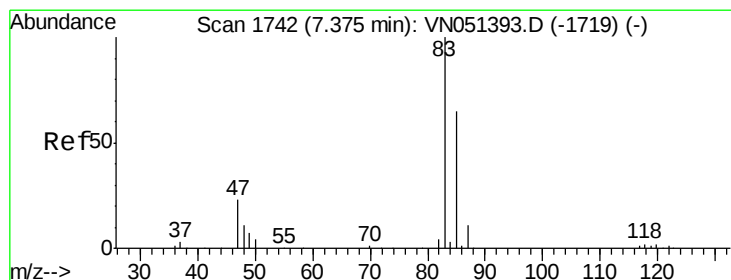
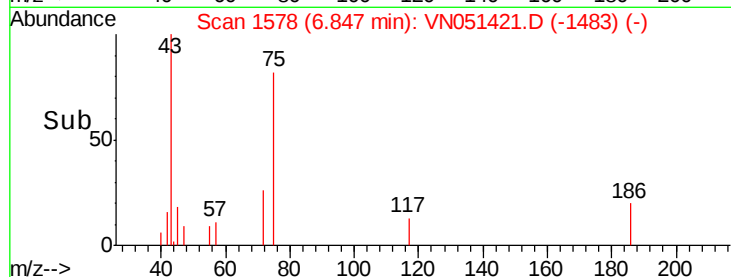
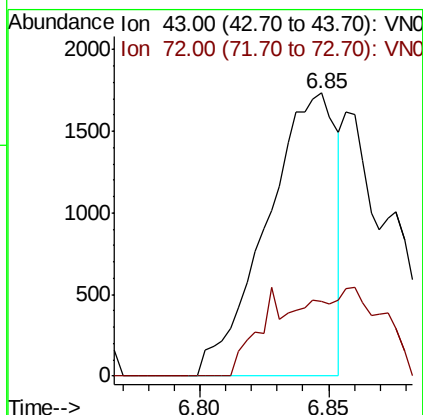
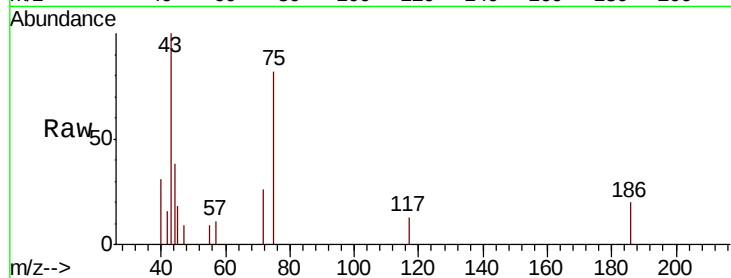




#25
2-Butanone
Concen: 1.164 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

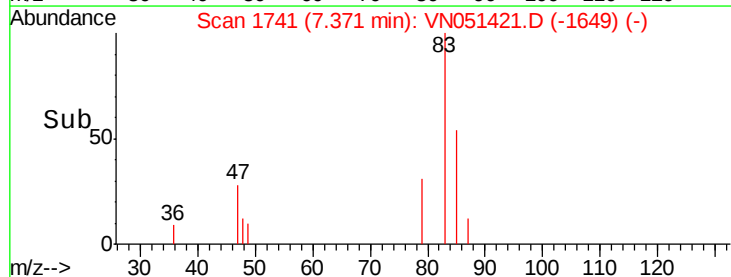
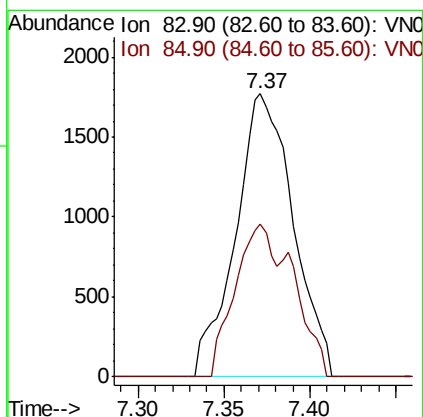
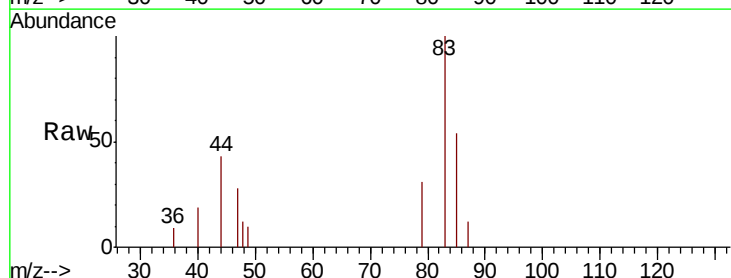
Instrument :
MSVOA_N
ClientSampleId :
NB-PIT-1

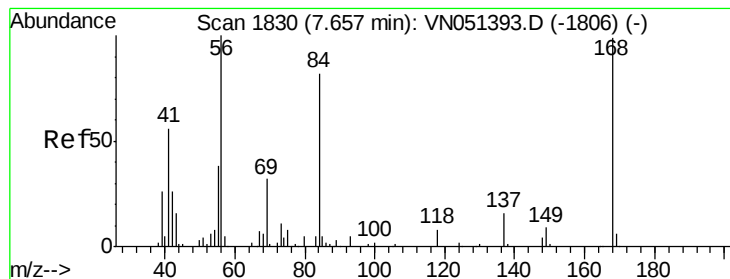
Tgt Ion: 43 Resp: 3255
Ion Ratio Lower Upper
43 100
72 26.4 21.8 32.6



#30
Chloroform
Concen: 0.297 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion: 83 Resp: 4129
Ion Ratio Lower Upper
83 100
85 53.8 51.8 77.6





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampleId :

NB-PIT-1

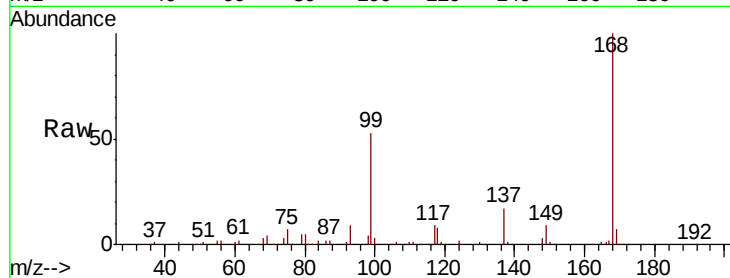
Tgt Ion: 56 Resp: 12270

Ion Ratio Lower Upper

56 100

69 191.7 25.8 38.6#

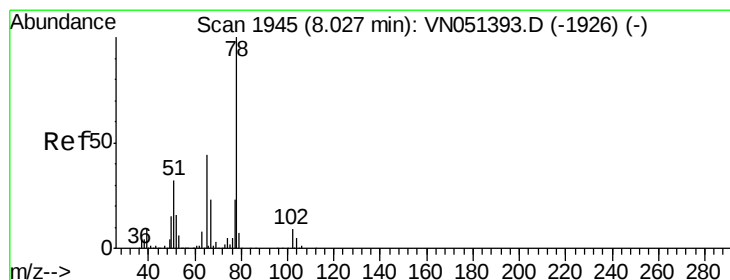
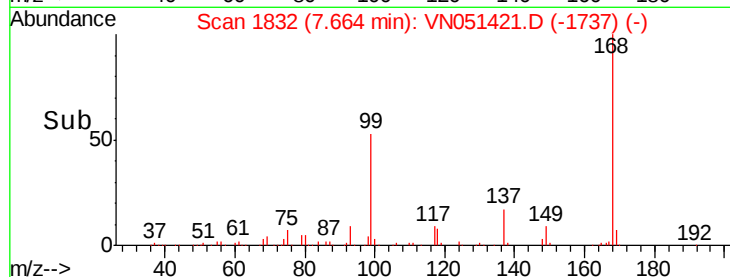
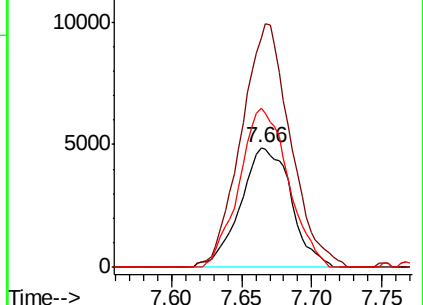
84 133.0 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 54.294 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051421.D

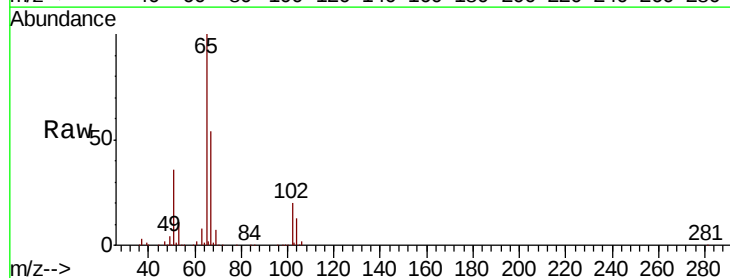
Acq: 23 Sep 2018 18:28

Tgt Ion: 65 Resp: 443554

Ion Ratio Lower Upper

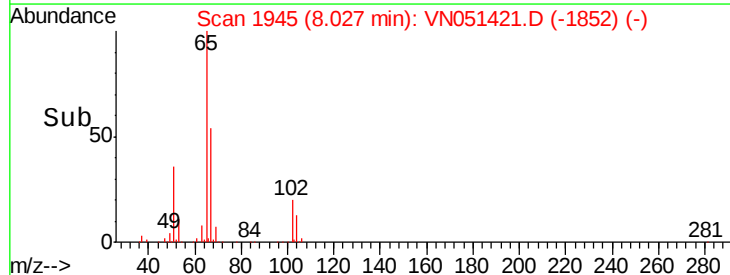
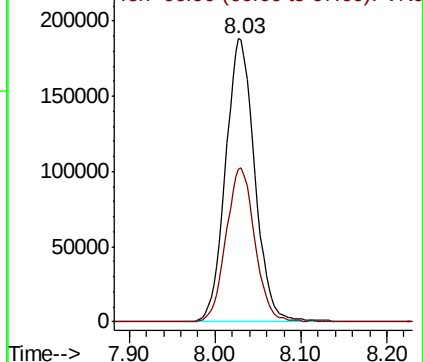
65 100

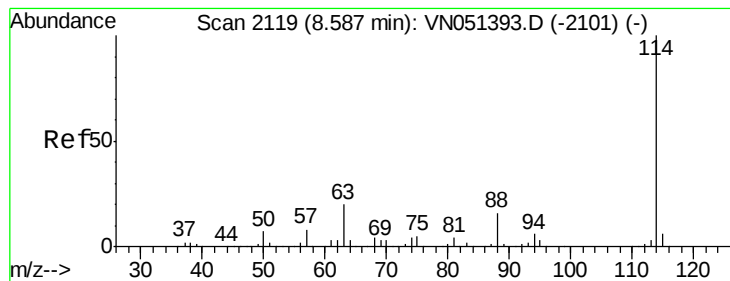
67 53.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

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NB-PIT-1

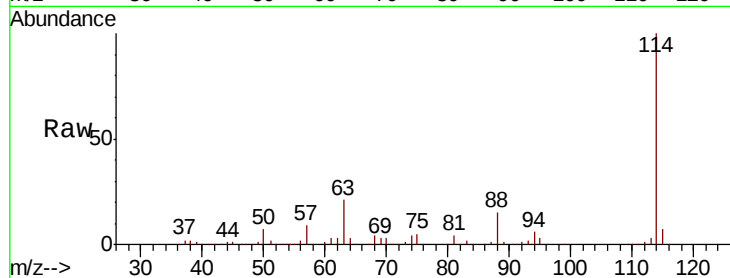
Tgt Ion:114 Resp: 1016535

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

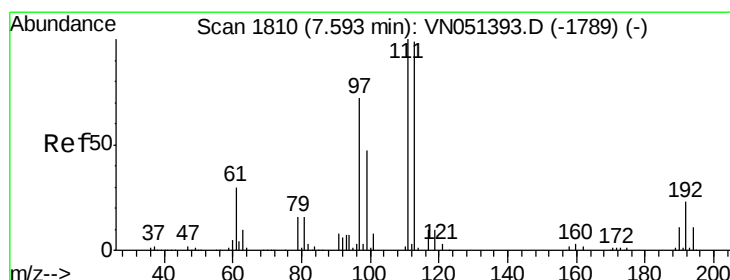
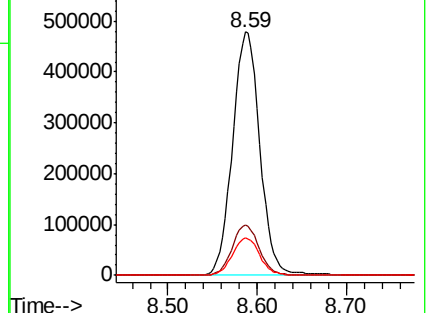
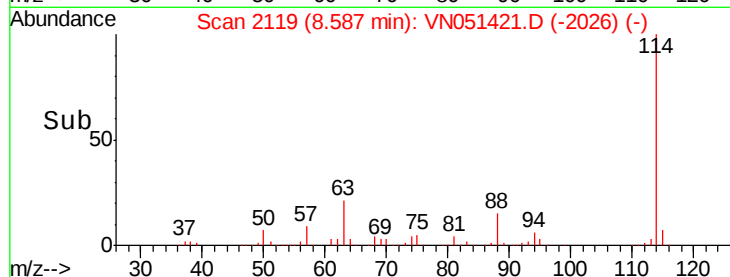
88 15.4 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.417 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

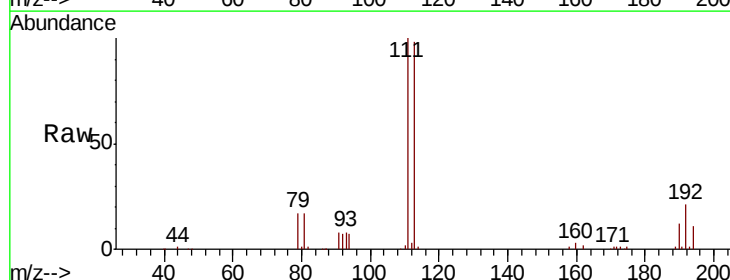
Tgt Ion:113 Resp: 385444

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

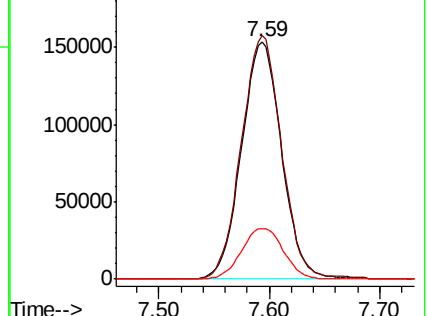
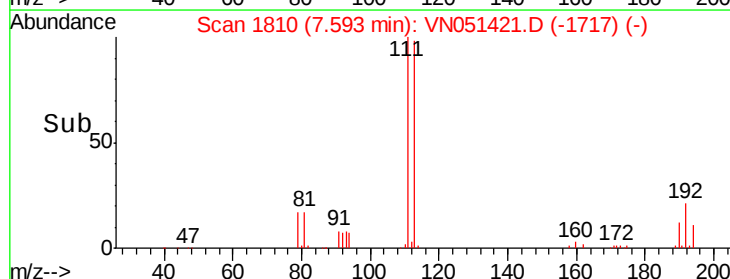
192 22.6 18.0 27.0

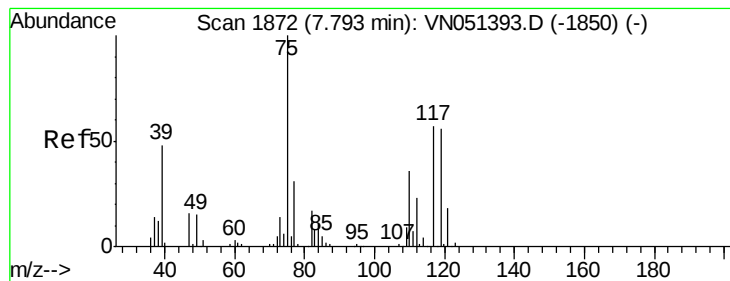


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.914 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampled :

NB-PIT-1

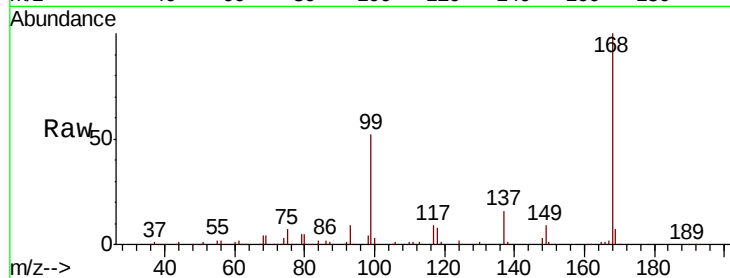
Tgt Ion: 75 Resp: 46075

Ion Ratio Lower Upper

75 100

110 7.8 18.1 54.3#

77 0.0 25.6 38.4#



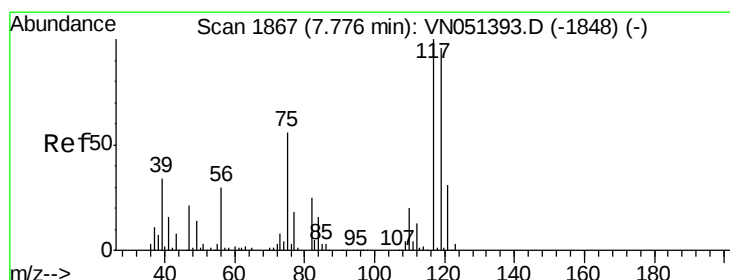
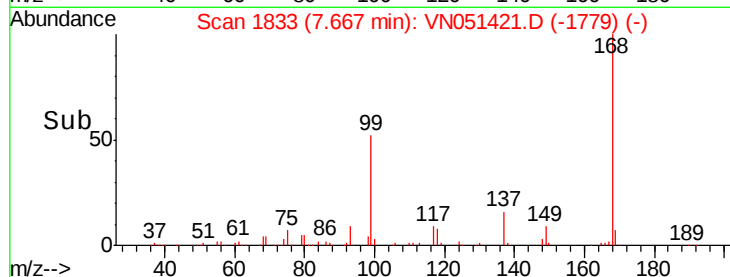
Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)

7.67

Time-->



#38

Carbon Tetrachloride

Concen: 4.769 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

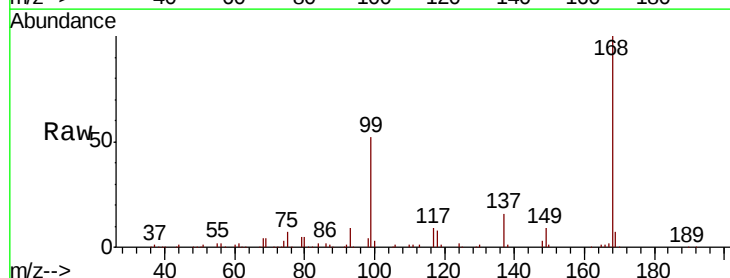
Tgt Ion: 117 Resp: 58717

Ion Ratio Lower Upper

117 100

119 6.1 76.9 115.3#

121 0.0 24.6 37.0#



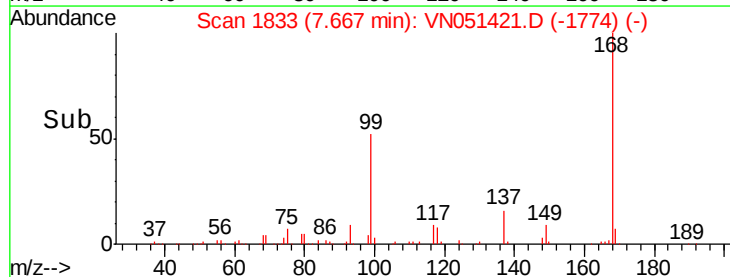
Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

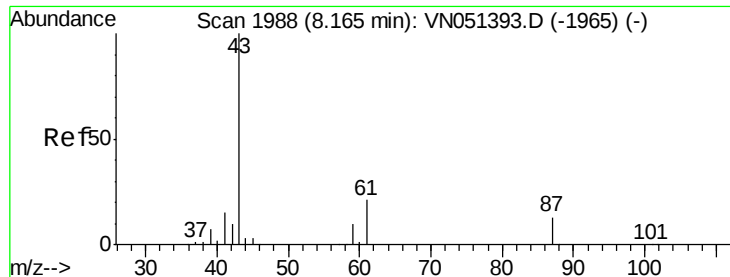
Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)

7.67

Time-->





#43

Isopropyl Acetate

Concen: 21.416 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampled :

NB-PIT-1

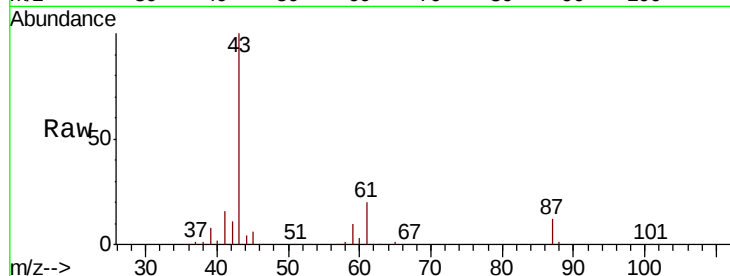
Tgt Ion: 43 Resp: 262106

Ion Ratio Lower Upper

43 100

61 18.7 16.8 25.2

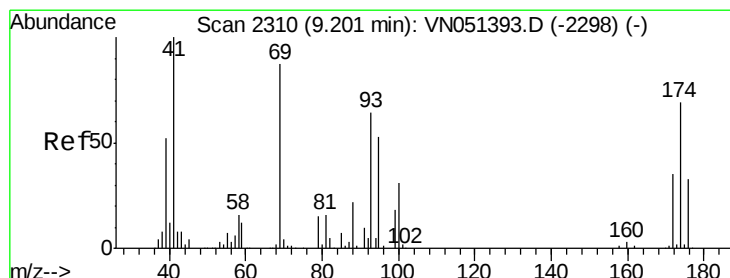
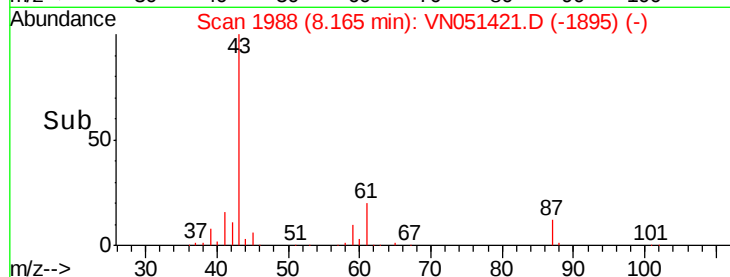
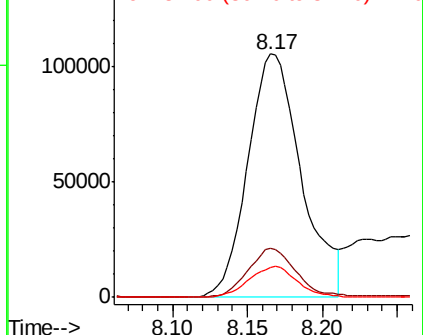
87 11.6 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.079 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

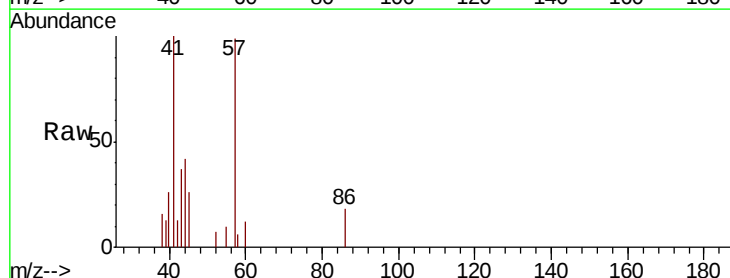
Tgt Ion: 41 Resp: 6583

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

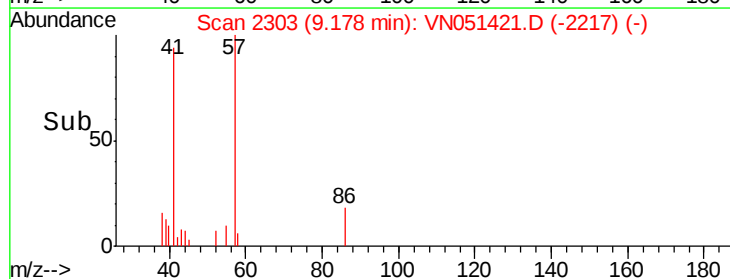
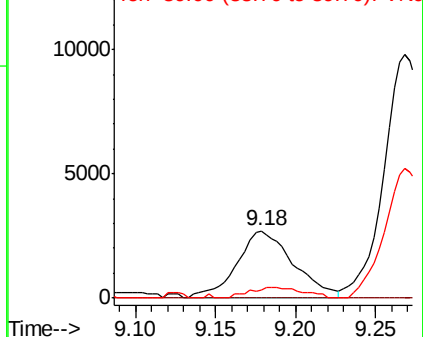
39 15.0 43.8 65.8#

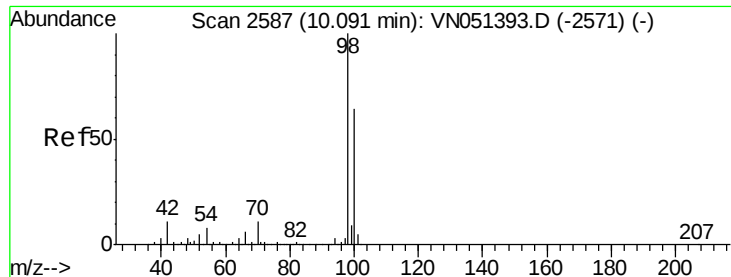


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

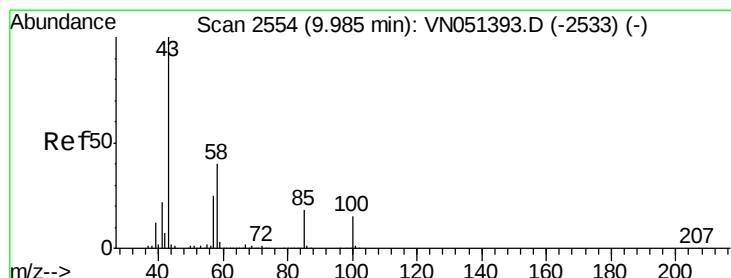
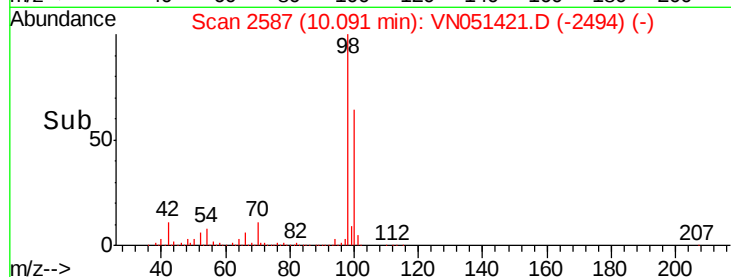
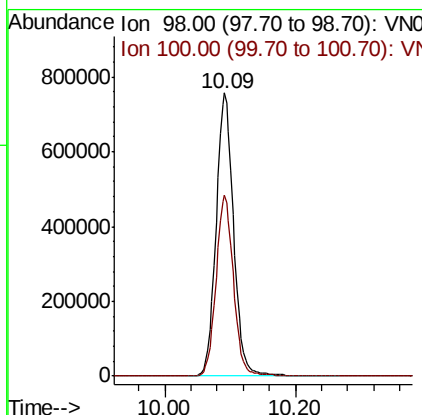
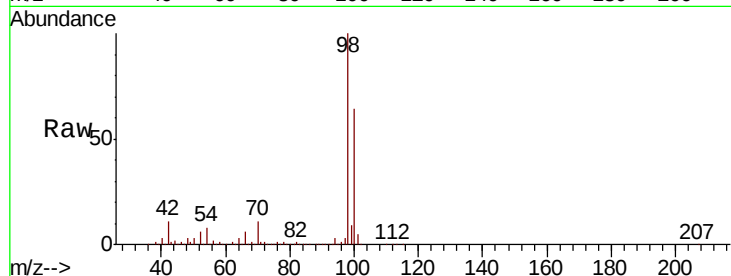




#50
Toluene-d8
Concen: 46.148 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

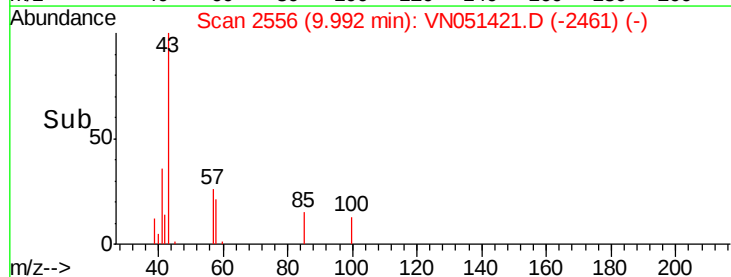
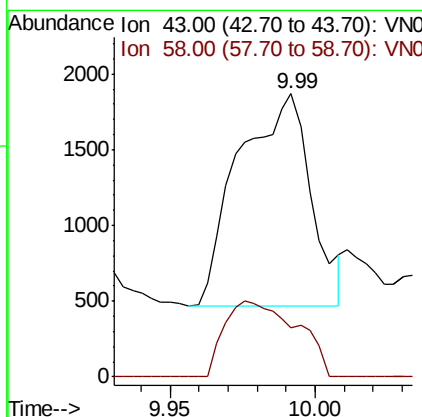
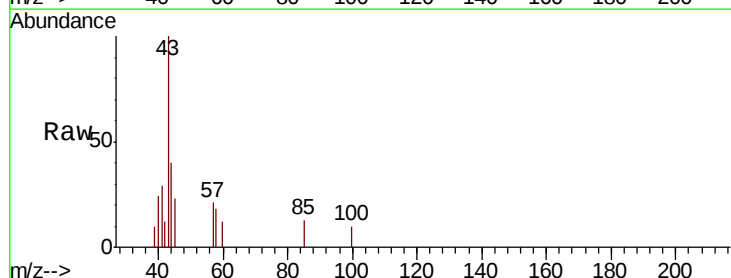
Instrument :
MSVOA_N
ClientSampled :
NB-PIT-1

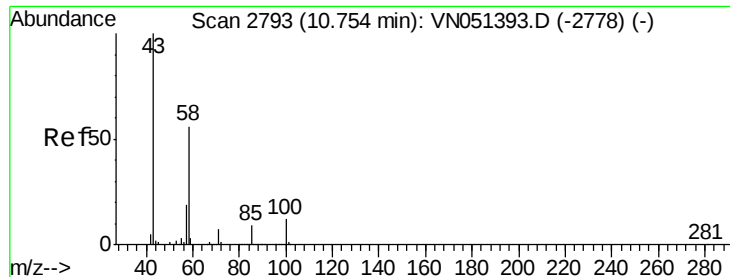
Tgt Ion: 98 Resp: 1412585
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.360 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion: 43 Resp: 2423
Ion Ratio Lower Upper
43 100
58 35.7 31.5 47.3

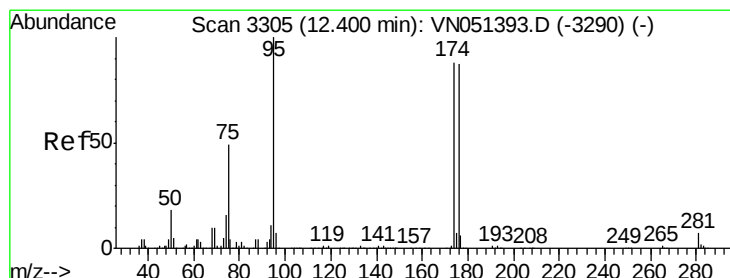
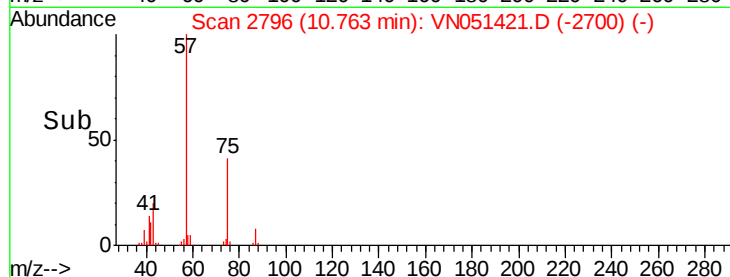
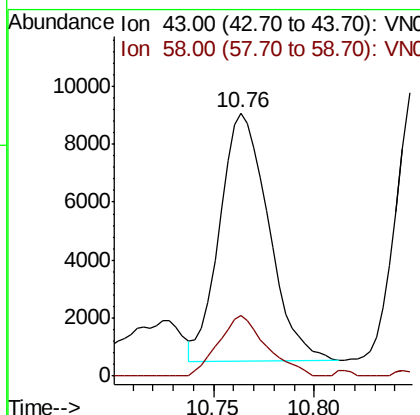
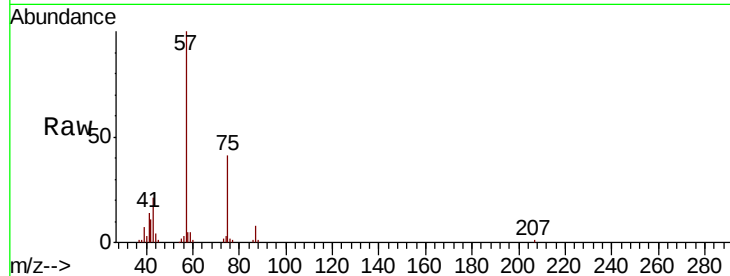




#59
2-Hexanone
Concen: 3.323 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

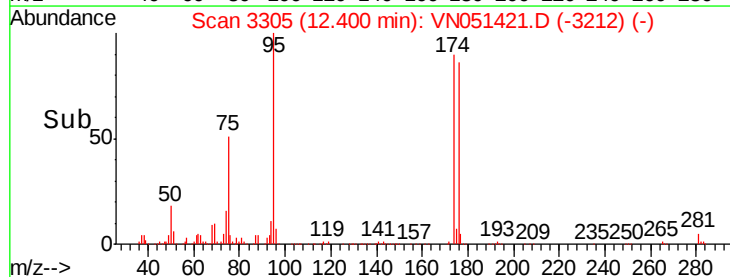
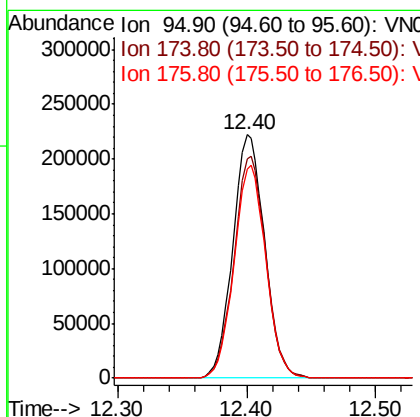
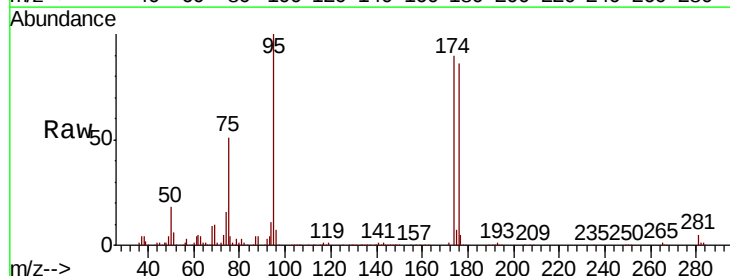
Instrument :
MSVOA_N
ClientSampled :
NB-PIT-1

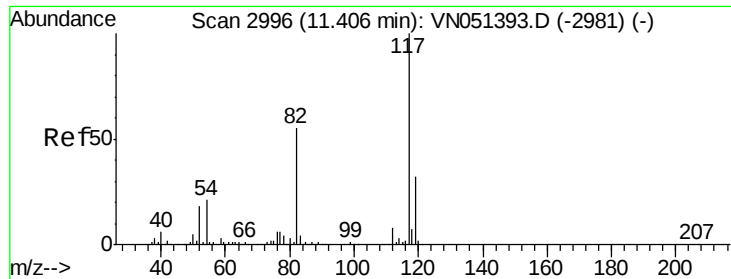
Tgt Ion: 43 Resp: 14500
Ion Ratio Lower Upper
43 100
58 23.9 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 38.390 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion: 95 Resp: 380149
Ion Ratio Lower Upper
95 100
174 91.3 0.0 181.6
176 87.3 0.0 176.4

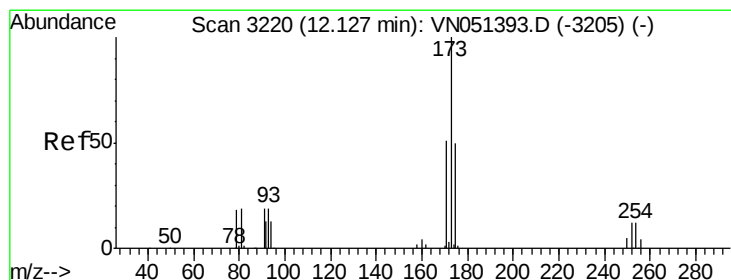
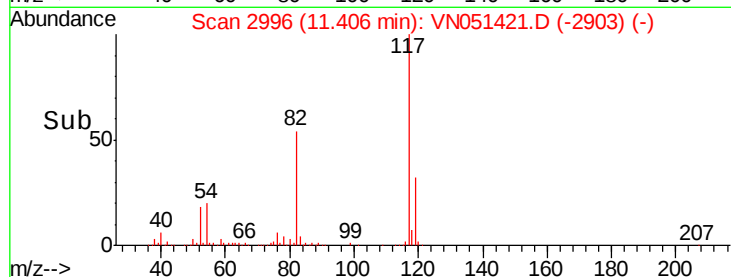
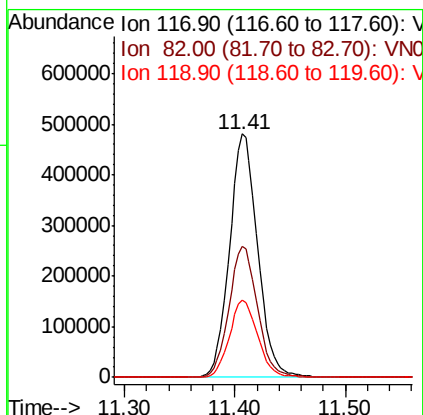
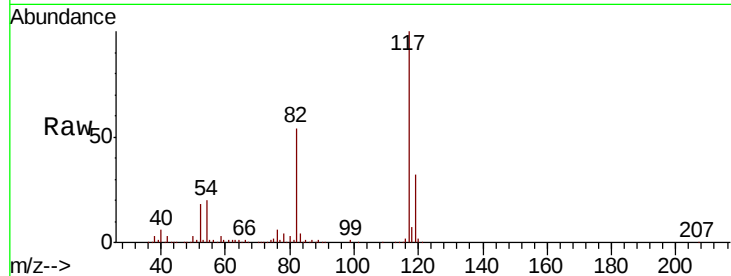




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

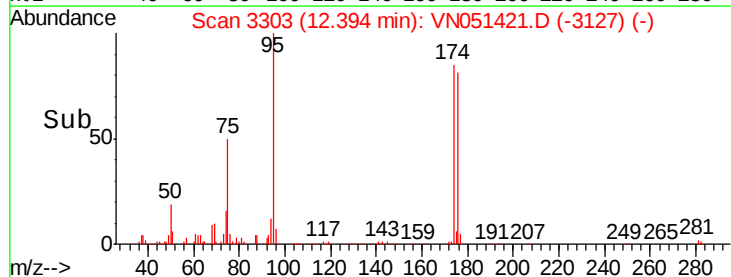
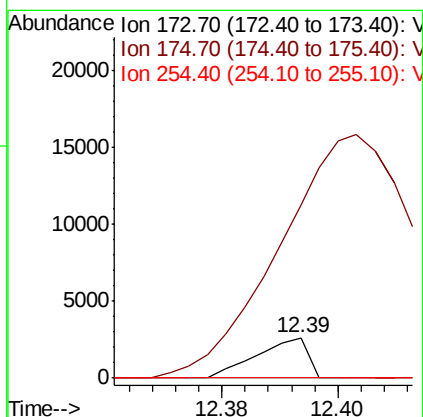
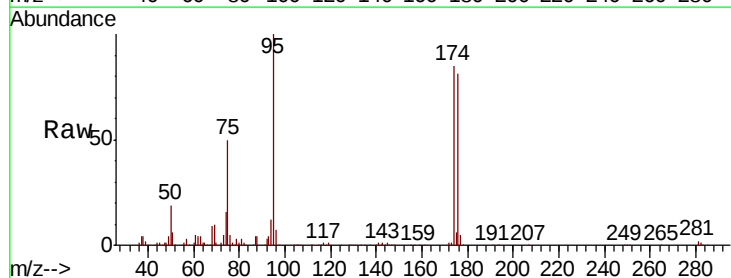
Instrument :
MSVOA_N
ClientSampled :
NB-PIT-1

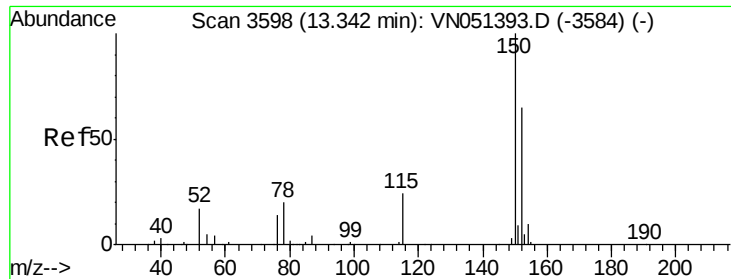
Tgt Ion:117 Resp: 848393
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.9 25.9 38.9



#71
Bromoform
Concen: 0.283 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN051421.D
Acq: 23 Sep 2018 18:28

Tgt Ion:173 Resp: 1594
Ion Ratio Lower Upper
173 100
175 1440.3 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampled :

NB-PIT-1

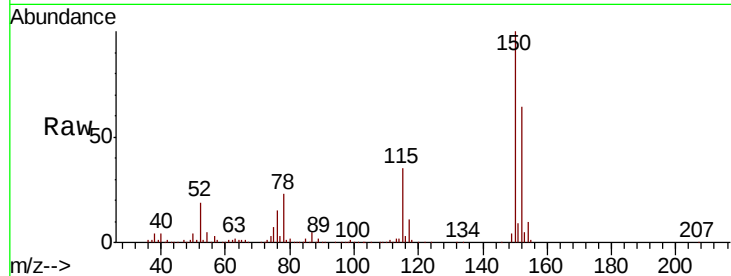
Tgt Ion:152 Resp: 317321

Ion Ratio Lower Upper

152 100

115 55.2 28.3 84.9

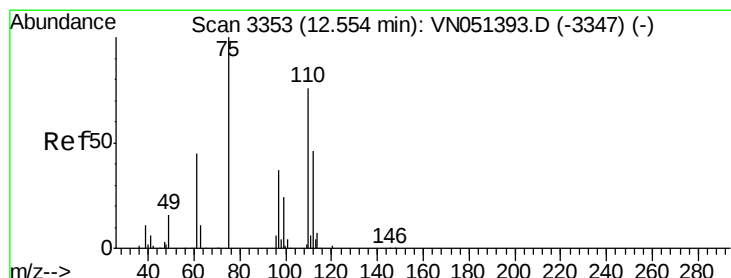
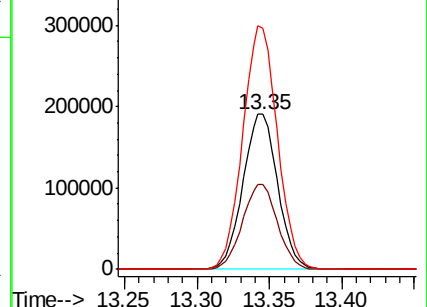
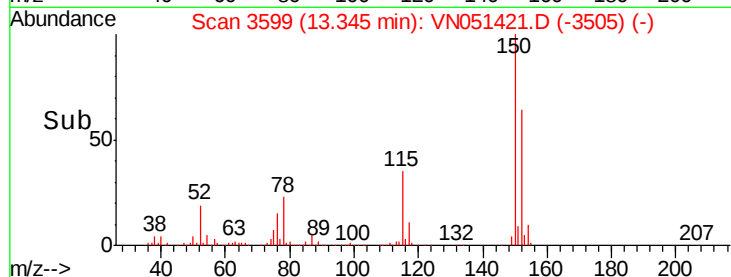
150 156.0 0.0 353.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 35.947 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051421.D

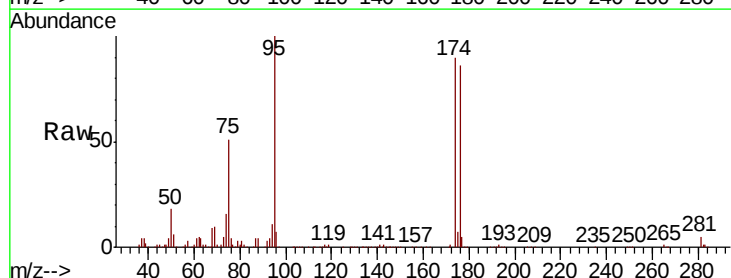
Acq: 23 Sep 2018 18:28

Tgt Ion: 75 Resp: 189361

Ion Ratio Lower Upper

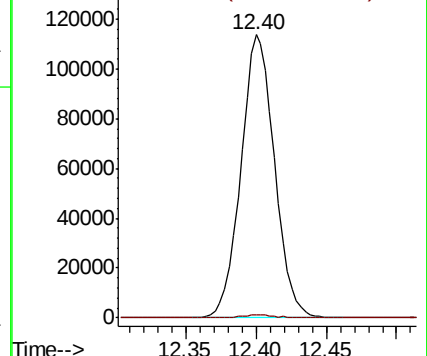
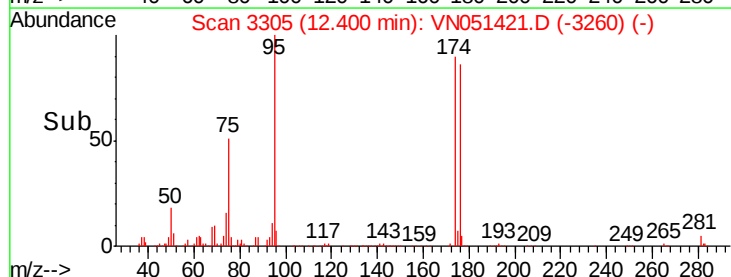
75 100

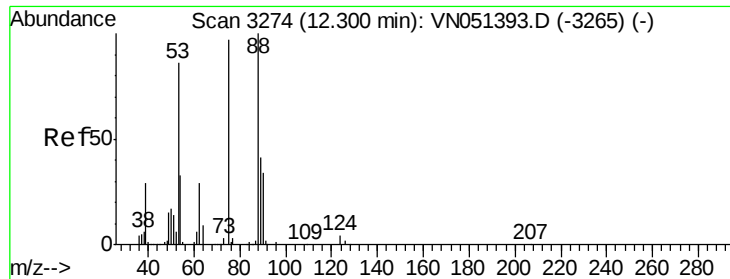
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.536 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

Instrument :

MSVOA_N

ClientSampled :

NB-PIT-1

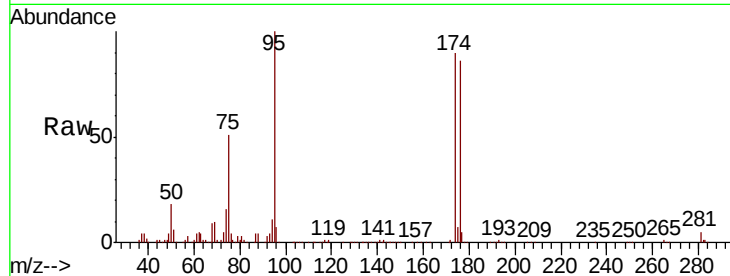
Tgt Ion: 75 Resp: 189361

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

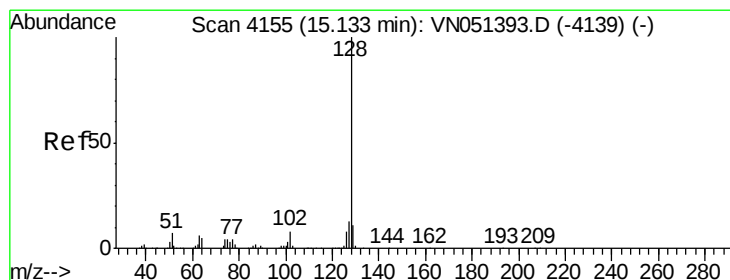
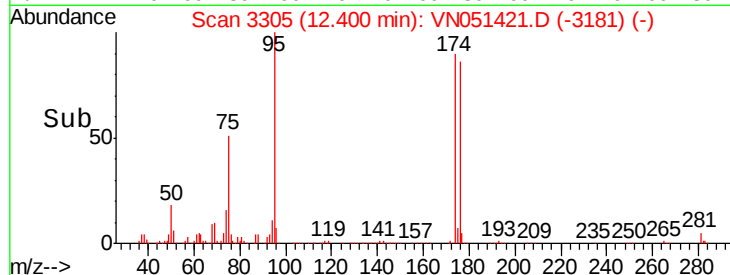
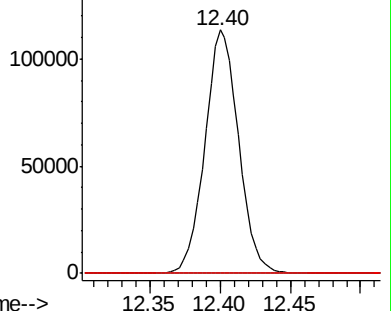
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN051393.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN051393.D (-3265) (-)



#95

Naphthalene

Concen: 9.580 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051421.D

Acq: 23 Sep 2018 18:28

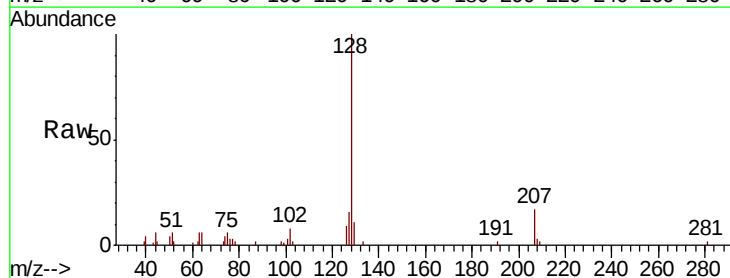
Tgt Ion: 128 Resp: 21587

Ion Ratio Lower Upper

128 100

127 15.6 10.5 15.7

129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN051393.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN051393.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN051393.D (-4139) (-)

